

Applicants: Howard J. Worman and Naoto Mamiya
Serial No.: 09/407,432
Filed : September 29, 1994
Page 2

In the Claims

Please amend the claims under the provisions of 37 C.F.R.
§1.121(c).

1. (Currently Amended) A method of treating ~~or preventing~~ hepatitis C virus infection in a subject which comprises administering to the subject an effective amount of a DEAD-box protein capable of specifically binding to the HCV core protein so as to inhibit hepatitis C virus replication.
2. (Original) The method of claim 1, wherein the hepatitis C virus infects the liver of the subject.
3. (Original) The method of claim 1, wherein the hepatitis C virus infects the liver of a human.
- 4.-8. (Cancelled)
9. (Previously presented) The method of claim 1, wherein the DEAD-box protein comprises a DEAD-box RNA helicase.
10. (Original) The method of claim 9, wherein the DEAD-box RNA helicase comprises a human DEAD-box protein DBX or a variant thereof.
11. (Previously presented) The method of claim 10, wherein the human DEAD-box protein DBX comprises amino acids having the amino acid sequence SEQ ID NO:1.
12. (Previously presented) The method of claim 10, wherein the variant of the human DEAD-box protein DBX comprises amino

MAR 03 2005

Applicants: Howard J. Worman and Nacto Mamiya
Serial No.: 09/407,432
Filed : September 29, 1996
Page 3

acids having the amino acid sequence SEQ ID NO:2.

13. (Previously presented) The method of claim 10, wherein the variant of the human DEAD-box protein DBX comprises amino acids having the amino acid sequence SEQ ID NO:3.

14. (Previously presented) The method of claim 10, wherein the variant of the human DEAD-box protein DBX comprises 100-200 amino acid residues of the amino acid sequence SEQ ID NO:1 or the amino acid sequence SEQ ID NO:3.

15.-71. (Cancelled).